

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(REV. 7-80) PATENT AND TRADEMARK OFFICE

**LIST OF PRIOR ART  
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**Atty. Docket No.**  
**14750**


**Serial No.**  
09/921,819

**Applicant**  
Ronald Buelow, et al.

**Filing Date**  
August 3, 2001

**Group  
1653**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	AA	US2002/0028488A1	3/7/02				
	AB						
	AC						
	AD						
	AE						

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NO	AA	5,814,318	9/29/98	Lonberg, et al.			
	AB	5,545,807	8/13/96	Surani, et al.			
	AC	5,570,429	10/29/96	Paddock			
	AD	5,416,260	5/16/95	Koller et al.			
	AE	5,567,607	10/22/96	Zhao, et al.			
	AF	5,453,357	9/26/95	Hogan			
	AG	5,639,457	6/17/97	Brem, et al.			
	AH	5,874,299	2/23/99	Lonberg, et al.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AI	EP 0438474B1	5/15/96	Europe				
	AJ	WO 00/75300A2	12/14/00	PCT				

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AK	Knight, et al., "Organization and Polymorphism of Rabbit Immunoglobulin Heavy Chain Genes", <i>J. Immunol.</i> , pp. 1245-1250 (1985)
	AL	Huang and Stollar, "A Majority of Ig H Chain C $\alpha$ na of Normal Human Adult Blood Lymphocytes Resembles cDNA for Fetal Ig and Natural Autoantibodies", <i>The American Assoc. of Immunology</i> , Vol. 151, pp. 5290-5300 (1993)
	Am	Knight & Becker, "Molecular Basis of the Allelic Inheritance of Rabbit Immunoglobulin VH Allotypes: Implications for the Generation of Antibody Diversity", <i>Cell</i> , Vol. 60, pp. 963-970 (1990)
	AN	Pritsch, et al., "V Gene Usage by Seven Hybrids Derived From CD5+ B-Cell Chronic Lymphocytic Leukemia and Displaying Autoantibody Activity", <i>Blood</i> , Vol. 82, No. 10, pp. 3103-3112 (1993)
	AO	Lautner-Rieske, et al., "The Human Immunoglobulin $\chi$ Locus, Characterization of the Duplicated A Regions*", <i>Eur. J. Immunol.</i> , Vol. 22, No. 4, pp. 1023-1029 (1992)

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							YES NO
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	AP	Lieberman, et al., "Structure of a Germline Rabbit Immunoglobulin V $\chi$ -Region Gene: Implications for Rabbit V $\chi$ -J $\chi$ Recombination", <u>The Journal of Immunology</u> , Vol. 133, No. 5, pp. 2753-2756 (1984)					
	AQ	Fan, et al., "Transgenic Rabbit Models for Biomedical Research: Current Status, Basic Method and Future Perspectives", <u>Pathology International</u> , Vol. 49, No. 7, pp. 583-594 (1999)					
	AR	Zhang, et al., "DNA Cloning by Homologous Recombination in Escherichia Coli", <u>Nature Biotechnology</u> , Vol. 18, No. 12, pp. 1314-1317 (2000)					
	AS	Kametani, et al., "Comparative Studies on the Structure of Light Chains of Human Immunoglobulins", <u>J. Biochem.</u> , Vol. 93, No. 2, pp. 421-429 (1983)					
	AT	McCormack, et al., "Chicken IgL Rearrangement Involves Deletion of a Circular Episome and Addition of Single Nonrandom Nucleotides to Both Coding Segments", <u>Cell</u> , Vol. 56, pp. 785-791 (1989)					
	AU	Mattysens and Rabbitts, "Structure and Arrangement of Human Heavy Chain Variable Region Genes", <u>The Immune System</u> , Vol. 1, pp. 132-138 (1981)					
	AV	Etches, et al., "Strategies for the Production of Transgenic Chickens", <u>Methods in Molecular Biology</u> , Vol. 62, pp. 433-450					
	Aw	Pain, et al., "Chicken Embryonic Stem Cells and Transgenic Strategies", <u>Cells Tissues, Organs</u> , Vol. 165, Nos. 3-4, pp. 212-219 (1999)					
	AX	Sang, et al., "Transgenic Chickens - Methods and Potential Applications", <u>TIBTECH</u> , Vol. 12, pp. 415-420 (1994)					
	AY	Brem, et al., "YAC Transgenesis in Farm Animals: Rescue of Albinism in Rabbits", <u>Molecular Reproduction &amp; Development</u> , Vol. 44, pp. 56-62 (1996)					
	AZ	Stice, et al., "Nuclear Reprogramming in Nuclear Transplant Rabbit Embryos", <u>Biology of Reproduction</u> , Vol. 39, pp. 657-664 (1988)					
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				1/10/01			
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						YES	NO

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BA	McCartney-Francis, et al., "Expression of K2 Isotype mRNA in Normal and Basilea Rabbits", <u>Molecular Immunology</u> , Vol. 24, No. 4, pp. 357-364 (1987)
BB	Allegrucci, et al., "Preferential Rearrangement in Normal Rabbits of the 3' V <sub>H</sub> Allotype Gene that is Deleted in Alicia Mutants...", <u>Eur. J. Immunol.</u> , Vol. 21, pp. 411-417 (1991)
BC	Frommel, et al., "Metabolism of G and M Immunoglobulins in Normal and Hypogammaglobulinemic Chickens", <u>The Journal of Immunology</u> , Vol. 105, No. 1, pp. 1-6 (1970)
BD	Bendict, et al., "Inherited Immunodeficiency in Chickens: A Model for Common Variable Hypogammaglobulinemia in Man", <u>Adv. Exp. Med. Biol.</u> , Vol. 88, No. 2, pp. 197-205 (1977)
BE	T. Wakayama, et al., "Full-Term Development of Mice from Enucleated Oocytes Injected with Cumulus Cell Nuclei", <u>Nature</u> , Vol. 394, No. 23, pp. 369-374 (1998)
BF	Cibelli, et al., "Transgenic Bovine Chimeric Offspring Produced from Somatic Cell-Derived Stem-Like Cells", <u>Nature Bio Technology</u> , Vol. 16, pp. 642-646 (1998)
BG	Ishida, et al., "Production of a Diverse Repertoire of Human Antibodies in Genetically Engineered Mice", <u>Microbiol. Immunol.</u> , Vol. 42, No. 3, pp. 143-150 (1998)
BH	Tomizuka, et al., "Double Trans-Chromosomal Mice: Maintenance of Two Individual Human Chromosome Fragments Containing Ig Heavy and Light Loci and Expression of Fully Human Antibodies", <u>National Academy of Sciences</u> , Vol. 97, Issue 2, pp. 722-727 (2000)
BI	Sale, et al., "Ablation of XRCC2/3 Transforms Immunoglobulin V Gene Conversion into Somatic Hypermutation", <u>Nature</u> , Vol. 412 (2001)
BJ	Lanza, et al., "Extension of Cell Life-Span and Telomere Length in Animals Cloned from Senescent Somatic Cells", <u>Science</u> , Vol. 288, pp. 665-669 (2000)
BK	Polejaeva, et al., "Cloned Pigs Produced by Nuclear Transfer from Adult Somatic Cells", <u>Nature</u> , Vol. 407, No. 7 (2000)
BL	K.J. McCreath, et al., "Production of Gene-Targeted Sheep by Nuclear Transfer from Cultured Somatic Cells", <u>Nature</u> , Vol. 405 (2000)
Bm	D. Bucchini, et al., "Rearrangement of a Chicken Immunoglobulin Gene Occurs in the Lymphoid Lineage of Transgenic Mice", <u>Nature</u> , Vol. 326, No. 26, pp. 409-411 (1987)
BN	Knight, et al., "Generating the Antibody Repertoire in Rabbit", <u>Advances in Immunology</u> , Vol. 56, pp. 179-218 (1994)
BO	Langman, et al., "A Theory of the Ontogeny of the Chicken Humoral Immune System: The Consequences of Diversification by Gene Hyperconversion and its Extension to Rabbit", <u>Res. Immunology</u> , Vol. 144, pp. 422-446 (1993)
BP	Campbell, et al., "Sheep Cloned by Nuclear Transfer from a Cultural Cell Line", <u>Nature</u> , Vol. 380, pp. 64-66 (1996)
BQ	Stice, et al., "Cloning: New Breakthroughs Leading to Commercial Opportunities", <u>Theriogenology</u> , Vol. 49, pp. 129-138 (1998)
BR	Cibelli, et al., "Cloned Transgenic Calves Produced from Nonquiescent Fetal Fibroblasts", <u>Science</u> , Vol. 280, pp. 1256-1258 (1998)
BS	Schnieke, et al., "Human Factor IX Transgenic Sheep Produced by Transfer of Nuclei from Transfected Fetal Fibroblasts", <u>Science</u> , Vol. 278, pp. 2130-2133 (1997)

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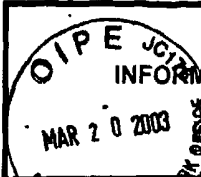










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	FILING August 3, 2001	GROUP 1653

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**FOREIGN PATENT DOCUMENTS**

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						YES	NO
<i>D</i>	WO9520042	27/07/95	PCT				
	WO9837183	27/08/98	PCT				
<i>V</i>	GB2282139A	29/03/95	United Kingdom				
	GB2331751B	02/06/99	United Kingdom				
	GB2318578B	29/04/98	United Kingdom				

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							YES	NO
20		<del>JP9603375</del>	18/11/96	Japan				
		<del>JP616698</del>	1/25/94	Japan				
		WO9940213	12/08/99	PCT				
		WO9418344	18/08/94	PCT				
		WO9407997	14/04/94	PCT				

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